

Alexander Steinbchel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

358
papers

17,233
citations

68
h-index

115
g-index

373
ext. papers

18,671
ext. citations

4.8
avg. IF

6.96
L-index

#	Paper	IF	Citations
358	Natural rubber degradation products: Fine chemicals and reuse of rubber waste. <i>European Polymer Journal</i> , 2022 , 165, 111001	5.2	3
357	Theoretical Studies of Cyanophycin Dipeptides as Inhibitors of Tyrosinases.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
356	The reliance of glycerol utilization by <i>Cupriavidus necator</i> on CO fixation and improved glycerol catabolism.. <i>Applied Microbiology and Biotechnology</i> , 2022 , 106, 2541	5.7	0
355	Natürliche und synthetische Kautschukabfälle: Problem oder Rohstoff?. <i>BioSpektrum</i> , 2022 , 28, 218-220	0.1	
354	Insights in the Degradation of Medium-Chain Length Dicarboxylic Acids in H16 reveal Differences in β -Oxidation between Dicarboxylic Acids and Fatty Acids. <i>Applied and Environmental Microbiology</i> , 2021 , AEM0187321	4.8	0
353	Cyanophycin Modifications-Widening the Application Potential. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 763804	5.8	0
352	Versuche 2021 , 23-248		
351	Crystal structure of the sugar acid-binding protein CxaP from a TRAP transporter in <i>Advenella mimigardefordensis</i> strain DPN7. <i>FEBS Journal</i> , 2021 , 288, 4905-4917	5.7	0
350	In vitro studies on the degradation of common rubber waste material with the latex clearing protein (Lcp1) of <i>Gordonia polyisoprenivorans</i> VH2. <i>Biodegradation</i> , 2021 , 32, 113-125	4.1	2
349	Incorporation of alternative amino acids into cyanophycin by different cyanophycin synthetases heterologously expressed in <i>Corynebacterium glutamicum</i> . <i>AMB Express</i> , 2021 , 11, 55	4.1	4
348	3,3'-Thiodipropionic acid (TDP), a possible precursor for the synthesis of polythioesters: identification of TDP transport proteins in <i>Variovorax paradoxus</i> TBEA6. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 3733-3743	5.7	1
347	Enzymatic and Chemical Approaches for Post-Polymerization Modifications of Diene Rubbers: Current state and Perspectives. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100261	5.5	2
346	Characterization of an efficient extracellular cyanophycinase and its encoding cphE gene from <i>Streptomyces pratensis</i> strain YSM. <i>Journal of Biotechnology</i> , 2020 , 319, 15-24	3.7	
345	Characterization of the latex clearing protein of the poly(cis-1,4-isoprene) and poly(trans-1,4-isoprene) degrading bacterium <i>Nocardia nova</i> SH22a. <i>Journal of General and Applied Microbiology</i> , 2020 , 65, 293-300	1.5	7
344	Global Regulator of Rubber Degradation in <i>Gordonia polyisoprenivorans</i> VH2: Identification and Involvement in the Regulation Network. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	5
343	Wax Ester and Triacylglycerol Inclusions. <i>Microbiology Monographs</i> , 2020 , 211-242	0.8	1
342	Biotransformation of poly(cis-1,4-isoprene) in a multiphase enzymatic reactor for continuous extraction of oligo-isoprenoid molecules. <i>New Biotechnology</i> , 2020 , 58, 10-16	6.4	5

341	High yield production of the latex clearing protein from <i>Gordonia polyisoprenivorans</i> VH2 in fed batch fermentations using a recombinant strain of <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2020 , 309, 92-99	3.7	3
340	Characterization of the genes responsible for rubber degradation in <i>Actinoplanes</i> sp. strain OR16. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 7367-7376	5.7	2
339	What Has Been Trending in the Research of Polyhydroxyalkanoates? A Systematic Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 959	5.8	13
338	Biotin Synthesis in <i>Ralstonia eutropha</i> H16 Utilizes Pimeloyl Coenzyme A and Can Be Regulated by the Amount of Acceptor Protein. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	2
337	A tripartite tricarboxylate transporter (MIM_c39170-MIM_c39210) of <i>Advenella mimigardefordensis</i> DPN7 is involved in citrate uptake. <i>International Microbiology</i> , 2019 , 22, 461-470	3	1
336	Identification of LcpRB, a novel regulator of lcp expression in <i>Streptomyces coelicolor</i> A3(2). <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 5715-5726	5.7	6
335	Biology of Triacylglycerol Accumulation by <i>Rhodococcus</i> . <i>Microbiology Monographs</i> , 2019 , 299-332	0.8	2
334	Re-evaluation of cyanophycin synthesis in <i>Corynebacterium glutamicum</i> and incorporation of glutamic acid and lysine into the polymer. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 4033-4043	5.7	6
333	The catabolism of 3,3'-thiodipropionic acid in <i>Variovorax paradoxus</i> strain TBEA6: A proteomic analysis. <i>PLoS ONE</i> , 2019 , 14, e0211876	3.7	1
332	Synthesis of novel biodegradable elastomers based on poly[3-hydroxy butyrate] and poly[3-hydroxy octanoate] via transamidation reaction. <i>Polymer Bulletin</i> , 2019 , 76, 919-932	2.4	6
331	In Vitro Modification of Bacterial Cyanophycin and Cyanophycin Dipeptides Using Chemical Agents Towards Novel Variants of the Biopolymer. <i>Earth Systems and Environment</i> , 2019 , 3, 637-650	7.5	4
330	LcpRVH2 - regulating the expression of latex-clearing proteins in <i>Gordonia polyisoprenivorans</i> VH2. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 343-354	2.9	8
329	Recent developments in non-biodegradable biopolymers: Precursors, production processes, and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 143-157	5.7	57
328	Synthesis of polyhydroxyalkanoates through the biodegradation of poly(cis-1,4-isoprene) rubber. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 127, 360-365	3.3	16
327	Impact of additives of commercial rubber compounds on the microbial and enzymatic degradation of poly(cis-1,4-isoprene). <i>Biodegradation</i> , 2019 , 30, 13-26	4.1	11
326	Functional analysis of active amino acid residues of the mercaptosuccinate dioxygenase of <i>Variovorax paradoxus</i> B4. <i>Enzyme and Microbial Technology</i> , 2019 , 120, 61-68	3.8	8
325	The unexpected function of a Flavin-dependent oxidoreductase from <i>Variovorax paradoxus</i> TBEA6. <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	2
324	Histidine at Position 195 is Essential for Association of Heme-b in Lcp1VH2. <i>Earth Systems and Environment</i> , 2018 , 2, 5-14	7.5	11

323	In vitro biosynthesis of 3-mercaptolactate by lactate dehydrogenases. <i>Enzyme and Microbial Technology</i> , 2018 , 108, 1-10	3.8	2
322	Aerobic Growth of BCP1 Using Selected Naphthenic Acids as the Sole Carbon and Energy Sources. <i>Frontiers in Microbiology</i> , 2018 , 9, 672	5.7	24
321	Genome-based analysis for the identification of genes involved in o-xylene degradation in <i>Rhodococcus opacus</i> R7. <i>BMC Genomics</i> , 2018 , 19, 587	4.5	10
320	Cyanophycin production from feather hydrolysate using biotechnological methods. <i>Preparative Biochemistry and Biotechnology</i> , 2018 , 48, 589-598	2.4	7
319	<i>Ralstonia eutropha</i> H16 in progress: Applications beside PHAs and establishment as production platform by advanced genetic tools. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 494-510	9.4	32
318	Studies on the aerobic utilization of synthesis gas (syngas) by wild type and recombinant strains of <i>Ralstonia eutropha</i> H16. <i>Microbial Biotechnology</i> , 2018 , 11, 647-656	6.3	28
317	The marine bacterium <i>Phaeobacter inhibens</i> secures external ammonium by rapid buildup of intracellular nitrogen stocks. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	4
316	A proteomic analysis of ferulic acid metabolism in <i>Amycolatopsis</i> sp. ATCC 39116. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 6119-6142	5.7	4
315	Conversion of cysteine to 3-mercaptopyruvic acid by bacterial aminotransferases. <i>Enzyme and Microbial Technology</i> , 2017 , 99, 38-48	3.8	9
314	Lipid accumulation in prokaryotic microorganisms from arid habitats. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 2203-2216	5.7	17
313	Carbohydrate uptake in <i>Advenella mimigardefordensis</i> strain DPN7 is mediated by periplasmic sugar oxidation and a TRAP-transport system. <i>Molecular Microbiology</i> , 2017 , 104, 916-930	4.1	4
312	Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production from biodiesel by-product and propionic acid by mutant strains of <i>Pandoraea</i> sp. <i>Biotechnology Progress</i> , 2017 , 33, 1077-1084	2.8	22
311	Development of an Improved System for the Generation of Knockout Mutants of <i>Amycolatopsis</i> sp. Strain ATCC 39116. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	10
310	Oligo(cis-1,4-isoprene) aldehyde-oxidizing dehydrogenases of the rubber-degrading bacterium <i>Gordonia polyisoprenivorans</i> VH2. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 7945-7960	5.7	6
309	Proteomic analysis of organic sulfur compound utilisation in <i>Advenella mimigardefordensis</i> strain DPN7T. <i>PLoS ONE</i> , 2017 , 12, e0174256	3.7	3
308	Draft Genome Sequences of DSM 17494 and DSM 21029. <i>Genome Announcements</i> , 2017 , 5,		1
307	Bacterial lipid droplets bind to DNA via an intermediary protein that enhances survival under stress. <i>Nature Communications</i> , 2017 , 8, 15979	17.4	49
306	Downstream processing of serinol from a glycerol-based fermentation broth and transfer to other amine containing molecules. <i>Engineering in Life Sciences</i> , 2017 , 17, 479-488	3.4	2

305	Streptomyces jeddahensis sp. nov., an oleaginous bacterium isolated from desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 1676-1682	2.2	7
304	Engineering the heterotrophic carbon sources utilization range of <i>Ralstonia eutropha</i> H16 for applications in biotechnology. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 978-991	9.4	38
303	Role of Wax Ester Synthase/Acyl Coenzyme A:Diacylglycerol Acyltransferase in Oleaginous <i>Streptomyces</i> sp. Strain G25. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5969-81	4.8	12
302	Synthesis Gas (Syngas)-Derived Medium-Chain-Length Polyhydroxyalkanoate Synthesis in Engineered <i>Rhodospirillum rubrum</i> . <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6132-6140	4.8	35
301	Enzymatic Modification of Soluble Cyanophycin Using the Type II Peptidyl Arginine Deiminase from <i>Oryctolagus cuniculus</i> . <i>Macromolecular Bioscience</i> , 2016 , 16, 1064-71	5.5	7
300	Substrate and Cofactor Range Differences of Two Cysteine Dioxygenases from <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 910-21	4.8	8
299	Analysis and optimization of triacylglycerol synthesis in novel oleaginous <i>Rhodococcus</i> and <i>Streptomyces</i> strains isolated from desert soil. <i>Journal of Biotechnology</i> , 2016 , 225, 48-56	3.7	36
298	Features of the biotechnologically relevant polyamide family "cyanophycins" and their biosynthesis in prokaryotes and eukaryotes. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 153-64	9.4	23
297	Genome and Proteome Analysis of <i>Rhodococcus erythropolis</i> MI2: Elucidation of the 4,4'-Dithiodibutyric Acid Catabolism. <i>PLoS ONE</i> , 2016 , 11, e0167539	3.7	7
296	Immer (nur) Bioplastik? <i>Cupriavidus necator</i> als Produktionsplattform. <i>BioSpektrum</i> , 2016 , 22, 535-537	0.1	
295	Technology Trends in Biodegradable Polymers: Evidence from Patent Analysis. <i>Polymer Reviews</i> , 2016 , 56, 584-606	14	42
294	Metabolic Engineering of the Actinomycete <i>Amiclatopsis</i> sp. Strain ATCC 39116 towards Enhanced Production of Natural Vanillin. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 3410-3419	4.8	35
293	<i>Chelatococcus thermostellatus</i> sp. nov., a new thermophile for bioplastic synthesis: comparative phylogenetic and physiological study. <i>AMB Express</i> , 2016 , 6, 39	4.1	9
292	Understanding the physiological roles of polyhydroxybutyrate (PHB) in <i>Rhodospirillum rubrum</i> S1 under aerobic chemoheterotrophic conditions. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 8901-12	5.7	18
291	In vitro characterization of five bacterial WS/DGAT acyltransferases regarding the synthesis of biotechnologically relevant short-chain-length esters. <i>European Journal of Lipid Science and Technology</i> , 2016 , 118, 124-132	3	7
290	The genome of <i>Variovorax paradoxus</i> strain TBEA6 provides new understandings for the catabolism of 3,3'-thiodipropionic acid and hence the production of polythioesters. <i>Journal of Biotechnology</i> , 2015 , 209, 85-95	3.7	7
289	Synthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) from unrelated carbon sources in engineered <i>Rhodospirillum rubrum</i> . <i>FEMS Microbiology Letters</i> , 2015 , 362, fnv038	2.9	22
288	Strain and process development for poly(3HB-co-3HP) fermentation by engineered <i>Shimwellia blattae</i> from glycerol. <i>AMB Express</i> , 2015 , 5, 18	4.1	7

287	A jack-of-all-trades: 2-mercaptosuccinic acid. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 4545-57	5.7	9
286	Assessment of bacterial acyltransferases for an efficient lipid production in metabolically engineered strains of E. coli. <i>Metabolic Engineering</i> , 2015 , 32, 195-206	9.7	29
285	Biodegradation of the organic disulfide 4,4'-dithiodibutyric acid by Rhodococcus spp. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 8294-306	4.8	18
284	Analysis of PHB Metabolism Applying Tn5 Mutagenesis in Ralstonia eutropha. <i>Springer Protocols</i> , 2015 , 129-148	0.3	3
283	New pathways for bacterial polythioesters. <i>Current Opinion in Biotechnology</i> , 2014 , 29, 85-92	11.4	24
282	Fatty acid synthesis in Escherichia coli and its applications towards the production of fatty acid based biofuels. <i>Biotechnology for Biofuels</i> , 2014 , 7, 7	7.8	182
281	Construction of expression vectors for metabolic engineering of the vanillin-producing actinomycete Amycolatopsis sp. ATCC 39116. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6387-95	5.7	15
280	Production of triacylglycerols in Escherichia coli by deletion of the diacylglycerol kinase gene and heterologous overexpression of atfA from Acinetobacter baylyi ADP1. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1913-24	5.7	22
279	Novel characteristics of succinate coenzyme A (Succinate-CoA) ligases: conversion of malate to malyl-CoA and CoA-thioester formation of succinate analogues in vitro. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 166-76	4.8	18
278	Latex clearing protein-an oxygenase cleaving poly(cis-1,4-isoprene) rubber at the cis double bonds. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5231-40	4.8	48
277	Poly(3-hydroxypropionate): a promising alternative to fossil fuel-based materials. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 6574-82	4.8	48
276	(S)-3-hydroxyacyl-CoA dehydrogenase/enoyl-CoA hydratase (FadB') from fatty acid degradation operon of Ralstonia eutropha H16. <i>AMB Express</i> , 2014 , 4, 69	4.1	9
275	Characterization of propionate CoA-transferase from Ralstonia eutropha H16. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 3579-89	5.7	21
274	Mercaptosuccinate metabolism in Variovorax paradoxus strain B4--a proteomic approach. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6039-50	5.7	13
273	Guanidination of soluble lysine-rich cyanophycin yields a homoarginine-containing polyamide. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 2381-9	4.8	16
272	Influence of the operon structure on poly(3-hydroxypropionate) synthesis in Shimwellia blattae. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7409-22	5.7	7
271	Insights into the microbial degradation of rubber and gutta-percha by analysis of the complete genome of Nocardia nova SH22a. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 3895-907	4.8	42
270	Polythioester synthesis in Ralstonia eutropha H16: novel insights into 3,3'-thiodipropionic acid and 3,3'-dithiodipropionic acid catabolism. <i>Journal of Biotechnology</i> , 2014 , 184, 187-98	3.7	7

269	Unravelling the complete genome sequence of <i>Advenella mimigardefordensis</i> strain DPN7T and novel insights in the catabolism of the xenobiotic polythioester precursor 3,3'-dithiodipropionate. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1401-1416	2.9	16
268	Impact of <i>Ralstonia eutropha</i> 's poly(3-Hydroxybutyrate) (PHB) Depolymerases and Phasins on PHB storage in recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7702-9	4.8	16
267	Genome-guided insights into the versatile metabolic capabilities of the mercaptosuccinate-utilizing α -proteobacterium <i>Variovorax paradoxus</i> strain B4. <i>Environmental Microbiology</i> , 2014 , 16, 3370-86	5.2	12
266	Identification of 3-sulfinopropionyl coenzyme A (CoA) desulfases within the Acyl-CoA dehydrogenase superfamily. <i>Journal of Bacteriology</i> , 2014 , 196, 882-93	3.5	5
265	Solubility behavior of cyanophycin depending on lysine content. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 1091-6	4.8	19
264	Mercaptosuccinate dioxygenase, a cysteine dioxygenase homologue, from <i>Variovorax paradoxus</i> strain B4 is the key enzyme of mercaptosuccinate degradation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 30800-30809	5.4	20
263	Integrated omics study delineates the dynamics of lipid droplets in <i>Rhodococcus opacus</i> PD630. <i>Nucleic Acids Research</i> , 2014 , 42, 1052-64	20.1	67
262	Functional diversity of <i>Nocardia</i> in metabolism. <i>Environmental Microbiology</i> , 2014 , 16, 29-48	5.2	30
261	A closer look on the polyhydroxybutyrate- (PHB-) negative phenotype of <i>Ralstonia eutropha</i> PHB-4. <i>PLoS ONE</i> , 2014 , 9, e95907	3.7	29
260	Optimization of macroelement concentrations, pH and osmolarity for triacylglycerol accumulation in <i>Rhodococcus opacus</i> strain PD630. <i>AMB Express</i> , 2013 , 3, 38	4.1	16
259	PHA recovery from biomass. <i>Biomacromolecules</i> , 2013 , 14, 2963-72	6.9	105
258	A propionate CoA-transferase of <i>Ralstonia eutropha</i> H16 with broad substrate specificity catalyzing the CoA thioester formation of various carboxylic acids. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 7699-709	5.7	29
257	Investigations on three genes in <i>Ralstonia eutropha</i> H16 encoding putative cyanophycin metabolizing enzymes. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 3579-91	5.7	6
256	Metabolic characteristics of the species <i>Variovorax paradoxus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 541-60	5.7	105
255	Random mutagenesis of <i>atfA</i> and screening for <i>Acinetobacter baylyi</i> mutants with an altered lipid accumulation. <i>European Journal of Lipid Science and Technology</i> , 2013 , 115, 394-404	3	9
254	Succinyl-CoA:3-sulfinopropionate CoA-transferase from <i>Variovorax paradoxus</i> strain TBEA6, a novel member of the class III coenzyme A (CoA)-transferase family. <i>Journal of Bacteriology</i> , 2013 , 195, 3761-73 ^{3.5}	3.5	8
253	Saccharification of cellulose by recombinant <i>Rhodococcus opacus</i> PD630 strains. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 5159-66	4.8	21
252	Investigation of the <i>Amycolatopsis</i> sp. strain ATCC 39116 vanillin dehydrogenase and its impact on the biotechnical production of vanillin. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 81-90	4.8	59

251	A novel 3-sulfino-propionyl coenzyme A (3SP-CoA) desulfinase from <i>Advenella mimigardefordensis</i> strain DPN7T acting as a key enzyme during catabolism of 3,3'-dithiodipropionic acid is a member of the acyl-CoA dehydrogenase superfamily. <i>Journal of Bacteriology</i> , 2013 , 195, 1538-51	3.5	15
250	Increased lysine content is the main characteristic of the soluble form of the polyamide cyanophycin synthesized by recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2013 , 79, 4474-83	4.8	18
249	Microbial gutta-percha degradation shares common steps with rubber degradation by <i>Nocardia nova</i> SH22a. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1140-9	4.8	11
248	Poly(3-hydroxybutyrate) degradation in <i>Ralstonia eutropha</i> H16 is mediated stereoselectively to (S)-3-hydroxybutyryl coenzyme A (CoA) via crotonyl-CoA. <i>Journal of Bacteriology</i> , 2013 , 195, 3213-23	3.5	44
247	From waste to plastic: synthesis of poly(3-hydroxypropionate) in <i>Shimwellia blattae</i> . <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3582-9	4.8	24
246	Acyltransferases in bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2013 , 77, 277-321	13.2	106
245	Versuche. <i>Springer-Lehrbuch</i> , 2013 , 25-258	0.4	
244	Biotechnological conversion of glycerol to 2-amino-1,3-propanediol (serinol) in recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 357-65	5.7	11
243	Physiological conditions conducive to high cell density and high cyanophycin content in <i>Ralstonia eutropha</i> strain H16 possessing a KDPG aldolase gene-dependent addiction system. <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 1885-94	5.7	11
242	Impact of the core components of the phosphoenolpyruvate-carbohydrate phosphotransferase system, HPr and EI, on differential protein expression in <i>Ralstonia eutropha</i> H16. <i>Journal of Proteome Research</i> , 2012 , 11, 3624-36	5.6	5
241	Historical and recent achievements in the field of microbial degradation of natural and synthetic rubber. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 4543-51	4.8	67
240	Large scale extraction of poly(3-hydroxybutyrate) from <i>Ralstonia eutropha</i> H16 using sodium hypochlorite. <i>AMB Express</i> , 2012 , 2, 59	4.1	65
239	Importance of the latex-clearing protein (Lcp) for poly(cis-1,4-isoprene) rubber cleavage in <i>Streptomyces</i> sp. K30. <i>MicrobiologyOpen</i> , 2012 , 1, 13-24	3.4	26
238	Elevated poly(3-hydroxybutyrate) synthesis in mutants of <i>Ralstonia eutropha</i> H16 defective in lipopolysaccharide biosynthesis. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 471-83	5.7	11
237	Biotechnologische Herstellung von Dipeptiden und deren Anwendungen. <i>BioSpektrum</i> , 2012 , 18, 102-104.1	0.1	2
236	Impact of each individual component of the mutated PTS(Nag) on glucose uptake and phosphorylation in <i>Ralstonia eutropha</i> G+1. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 735-44	5.7	8
235	Genetically modified strains of <i>Ralstonia eutropha</i> H16 with β -ketothiolase gene deletions for production of copolyesters with defined 3-hydroxyvaleric acid contents. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 5375-83	4.8	18
234	Employing a recombinant strain of <i>Advenella mimigardefordensis</i> for biotechnical production of Homopolythioesters from 3,3'-dithiodipropionic acid. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 3286-97	4.8	21

233	Involvement of two latex-clearing proteins during rubber degradation and insights into the subsequent degradation pathway revealed by the genome sequence of <i>Gordonia polyisoprenivorans</i> strain VH2. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2874-87	4.8	67
232	Bacterial and Archaeal Inclusions 2011 ,		7
231	Cyanophycin Synthetases 2011 , 829-848		2
230	Rendered-protein hydrolysates for microbial synthesis of cyanophycin biopolymer. <i>New Biotechnology</i> , 2011 , 28, 552-8	6.4	14
229	Heterologous expression of <i>Anabaena</i> sp. PCC7120 cyanophycin metabolism genes <i>cphA1</i> and <i>cphB1</i> in <i>Sinorhizobium</i> (<i>Ensifer</i>) <i>meliloti</i> 1021. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1177-92	5.7	7
228	A novel plasmid addition system for large-scale production of cyanophycin in <i>Escherichia coli</i> using mineral salts medium. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 593-604	5.7	24
227	Synthesis of a citrulline-rich cyanophycin by use of <i>Pseudomonas putida</i> ATCC 4359. <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 1755-62	5.7	21
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